

**ITRC Methane Team  
Draft Call Minutes  
Tuesday, September 11, 2018**

2-3PM ET; 1-2PM CT; 12-1PM MT; 11AM-12 noon PT; 10-11 AM AKT

**Online Meeting Link:**

[ HYPERLINK "<https://join.freeconferencecall.com/itrc2>" ]

**Online Meeting ID: itrc2**

**Conference Number:**

Call In: **(515) 604-9725**

Participant Code: **297529#**

**\*6 to mute your line; \*6 again to unmute**

**Attendees:**

Cesar Alfaro, Other Federal Agency, DOI  
Douglas Bacon, State Government, Utah Div. of Environmental Response & Remediation  
Douglas Burge, Private Sector, Ramboll  
Anna Butler, DOD, USACE  
Roopa Ganapathy, Other Federal Agency, Environment and Climate Change Canada  
Matthew Harrison, Private Sector  
Gib Jersey, Consultant to XTO Energy, an ExxonMobil Subsidiary  
Mohamad (Amir) Khan, Academia, Delaware State University  
Pamela Lacey, Private Sector, American Gas Association  
David Lyon, Public Stakeholder, Environmental Defense Fund  
Michael Murphy, State Government, Virginia DEQ  
Craig O'Neill, Private Sector, FLIR Systems  
Ona Papageorgiou, State Government, NYSDEC  
Sigrida Reinis, Private Sector, Langan Engineering & Environmental Services  
Jim Rutherford, Private Sector, Heath Consultants Incorporated  
Susan Schow, ITRC Support Staff, Schow Consulting  
Jeffrey Short, Public Stakeholder, ITRC Public Stakeholder  
Ryan Streams, Private Sector, Kairos Aerospace  
Timothy Taylor, State Government, Colorado Dept. of Public Health & Environment

**Roll-Call:**

**Susan**

**Methane Team Announcements:**

**Tim**

- **Online Document - Edits Incorporated**
  - **Brief review of relevant changes** (Section 5.0 relabeled, other)
  - Web address: [ HYPERLINK "[http://www.js3designdev.com/methane\\_web/](http://www.js3designdev.com/methane_web/)" ]
  - Hide My Site Password: **ITRC@dev123**
- **Outreach Presentation – Review Status / Finalize Edits**
  - 8/14/2018 – original review deadline - extended briefly due to important late breaking comments.

**Tim**

- **See attached:** *Methane\_Outreach\_Presentation\_Draft\_9\_10\_18.ppt*
- **Brief review of relevant changes** (tag line, new slides, other)

○ **Specific slide discussion/updates:**

**Ona/Susan**

- Slide 3: See comment from Gib Jersey.
- Slide 7: how to remove % from the pie chart and add it to the legend next to each element? See also comment from Gib Jersey.
- Slide 9 we cleaned-up and placed natural gas first on first bullet.
- Slide 11: rewritten to focus on the challenge and questions from regulatory agencies and the regulated community.
- Slide 12: instead of solution, we write “the resource” because that is actually what we are providing. Also added some language in notes to tie in solution to resource. See also comment from Gib Jersey.
- Slide 15: new title, from “characterization” to “oil and natural gas supply chain.” Added language in the notes which uses characterization.
- Slide 16: New slide – characterization of types of emissions
- Slide 17: added “oversight agencies” for states where the environmental agency is not fully responsible for overseeing oil and gas.
- Slide 18: Changed animation so that the bar is visible through the arrow so that when a printout it made, it’s clear that we are demonstrating that we want to move that bar. See also comment from Gib Jersey.
- Slide 19: changed to emphasize what is generally allowable and which states have alternative compliance pathways for LDAR (i.e. innovative detection tech). See also comment from Gib Jersey.
- Slide 20: new slide – discussion on regulatory barriers and pathways.
- Slide 21: added specificity to methane
- Slide 22: changed image. Changed FLIR to OGI, bolded top three. See also comment from Gib Jersey.
- Slide 23: changed title and reorganized bullets to coordinate with changes in the tech reg document. See also comment from Gib Jersey.
- Slide 24: added “detect high emitting sources” changed image – if anyone has a better one let us know. See also comment from Gib Jersey.
- Slide 24: The animation on slide 24 as the second bullet is the only one without animation (comment from Craig O’Neill).
- Slide 25: New slide - achieving regulatory compliance will probably be the top priority for tech evaluation (how can a tech be demonstrated to meet regulatory requirements for leak detection?)
- Slides 26-29: changed header and more detail in bullets
- Slide 30: New slide to discuss metrics. See also comment from Gib Jersey.
- Slides 32-34: New slides for example – needs more – please provide input.
- Slide 35: See comment from Gib Jersey.
- Slide 36: New slide for example – needs more – please provide input.
- Slides 39-43: New slides – methodology section please review and add to notes for presentation help please.
- Slide 45: See comments from Jeff Short. The Stakeholder issues slide seems somewhat redundant to the casual viewer. Maybe we could

combine some of the bullets and add one on stakeholder concerns about applying methane detection technologies to prevent emission of a potent greenhouse gas?

- Stakeholders support technologies to monitor emissions of methane to prevent harm to human health and the environment
  - Safety issues relating to oil and gas extraction activities
  - Abandoned wells and/or lines
  - Adaptation of Detection Technologies for Oil Wells Without Infrastructure to Capture Natural Gas
  - Underground Storage Facilities
  - Offshore Wells (and other issues outside the scope of this document)

### **Methane Schedule – Next Tasks (Grey = Outreach Tasks)**

**Susan**

**9/11/2018** - Team Call – discuss edits to Outreach PPT. **Finalize edits during call** (or immediately following). (Due **8/14/18**) **Extended to Today's Call**

**9/11/18** – Team working on criteria for Outreach PPT smaller presentations. Due **8/24/2018**. **Extended to Today's Call**

**9/7/2018 9/14/18** (delayed one week until this Friday) - Submit draft **Outreach presentation** materials to ITRC for approval (2-week review time). Due back by **9/21/18 9/28/18**.

**9/14/18** (this Friday) – Team (PA) sends final version of **web-based Tech Reg Document** to ITRC Team Leader Liaison and ITRC Director for 2-week review period. Provide approval to post final document to website. Due by **9/28/18**.

**9/28/18 - Outreach presentation** posted to Team webpage for future use by Methane Outreach WG members.

**9/28/18** - Final **web-based Tech Reg Document** posted to ITRC website (*Go-Live* date).

**No more scheduled Monthly Calls.**

**Stay tuned for notification of final postings to ITRC webpage!**

**Goodbye, Best Wishes, and Thank You All!**